

FIG. 1

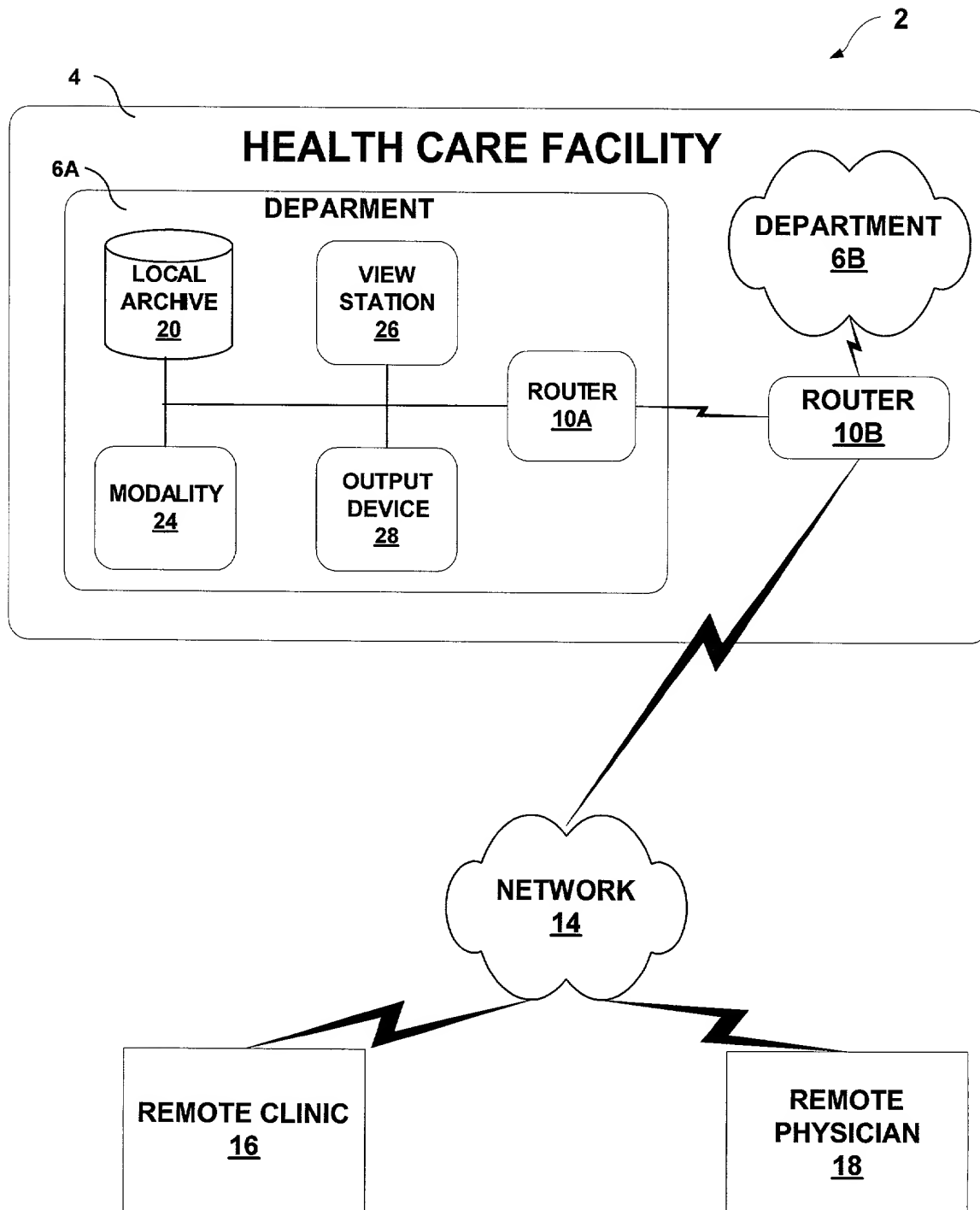


FIG. 2

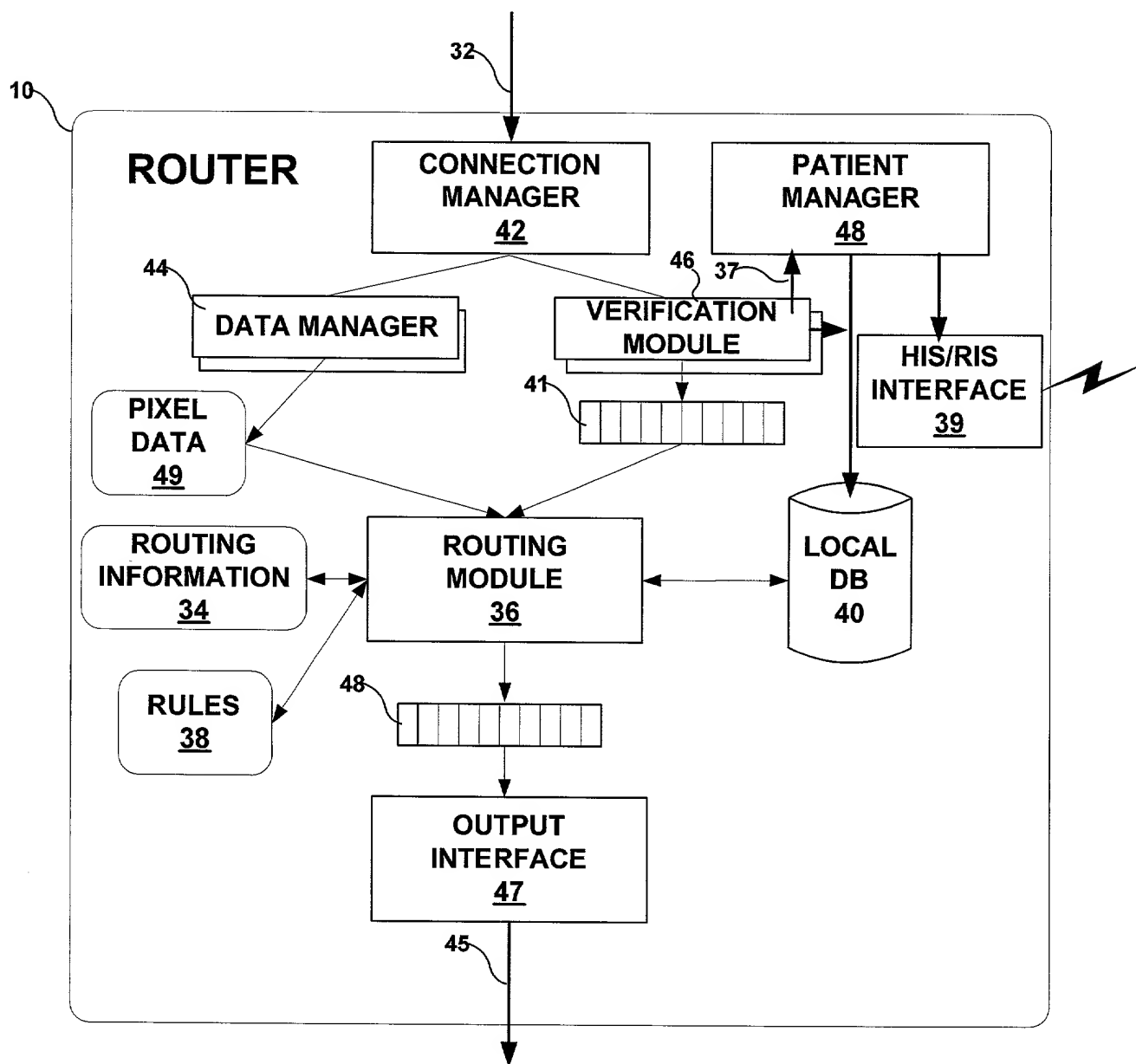


FIG.3

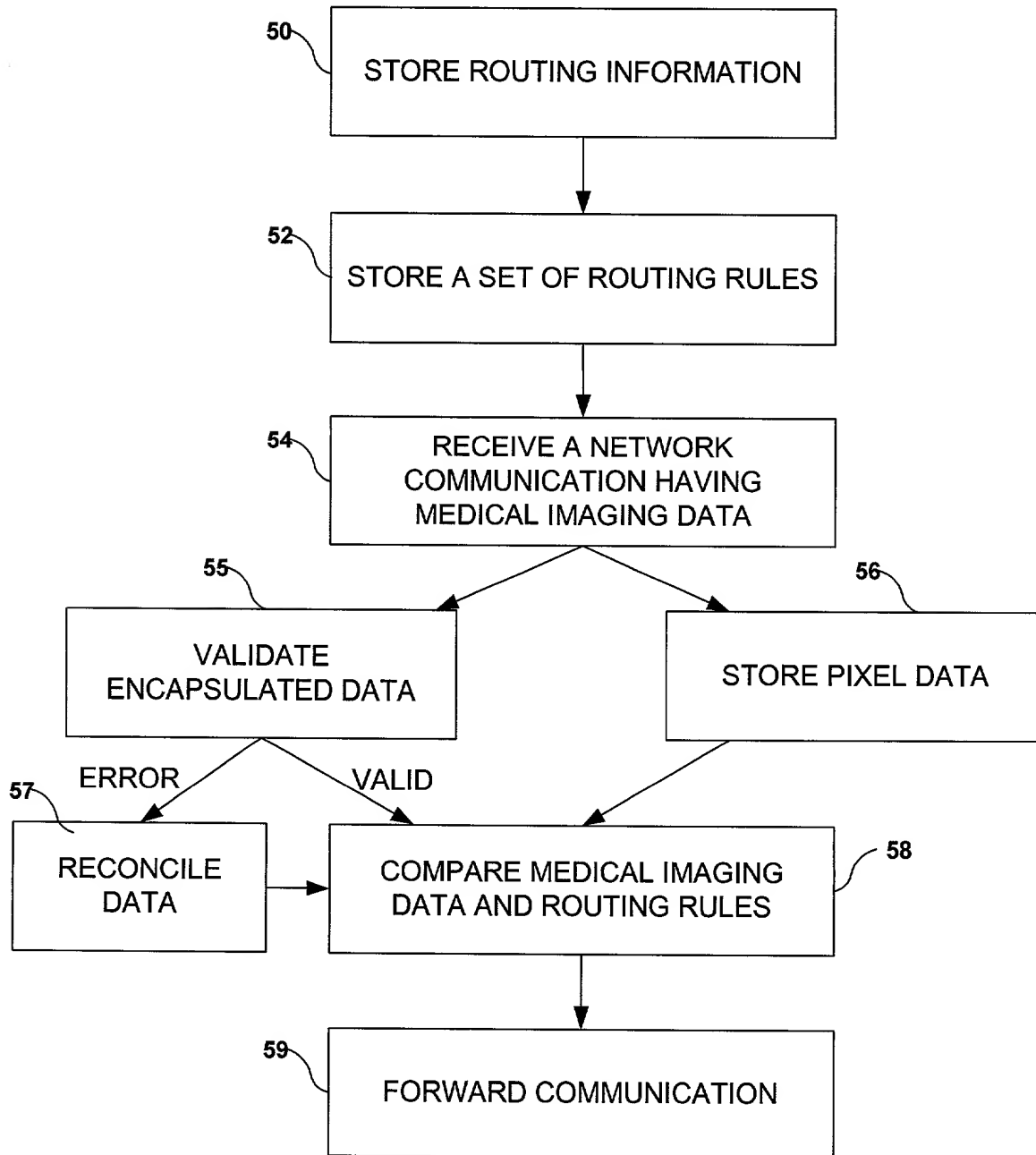


FIG. 4

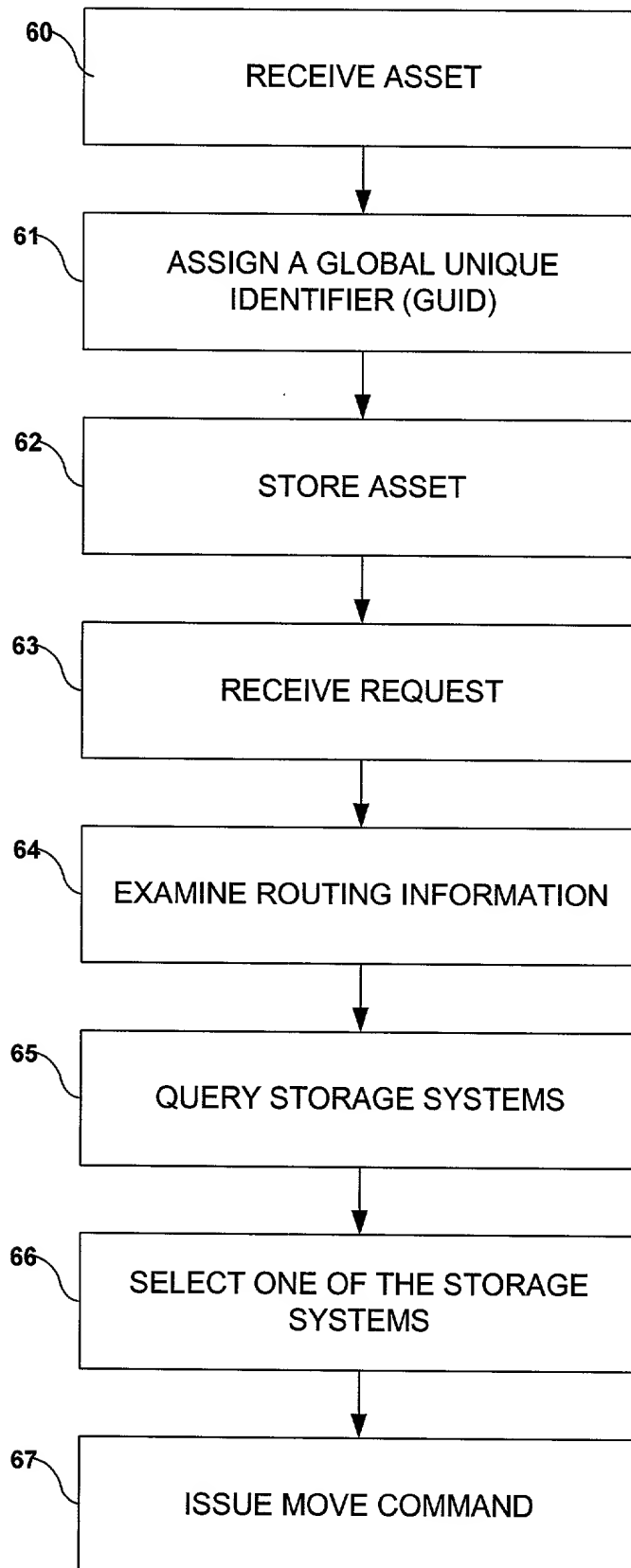


FIG. 5

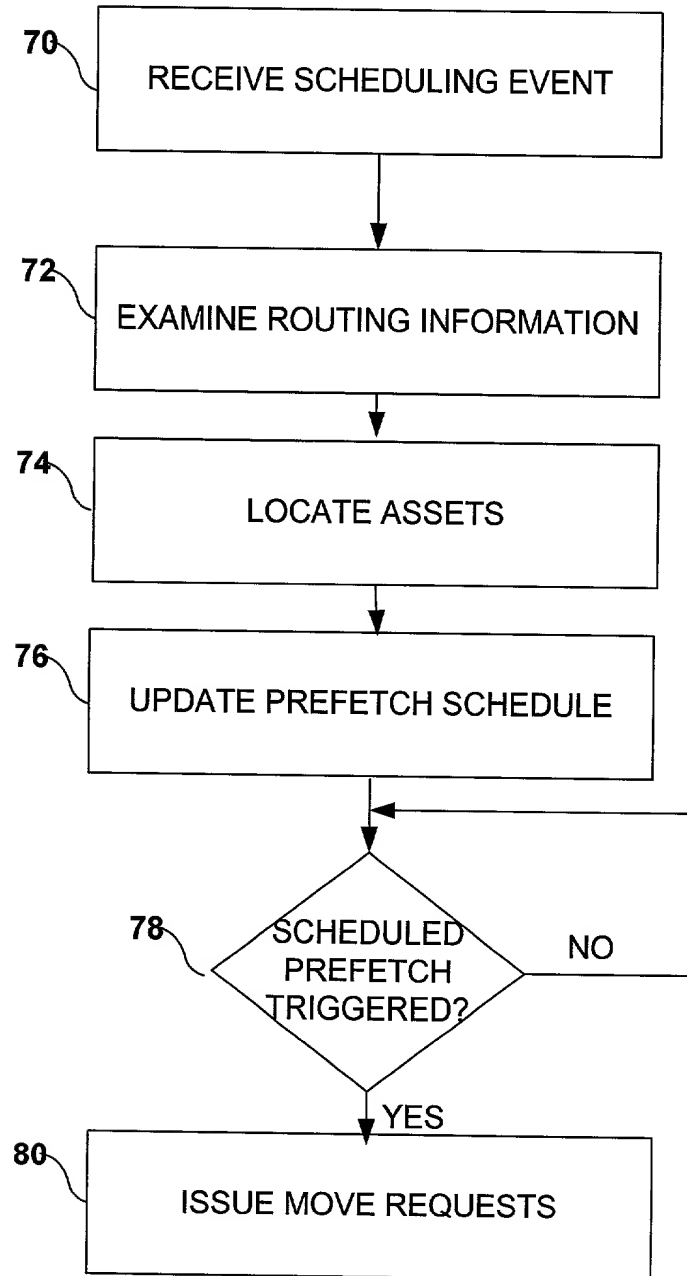


FIG. 6

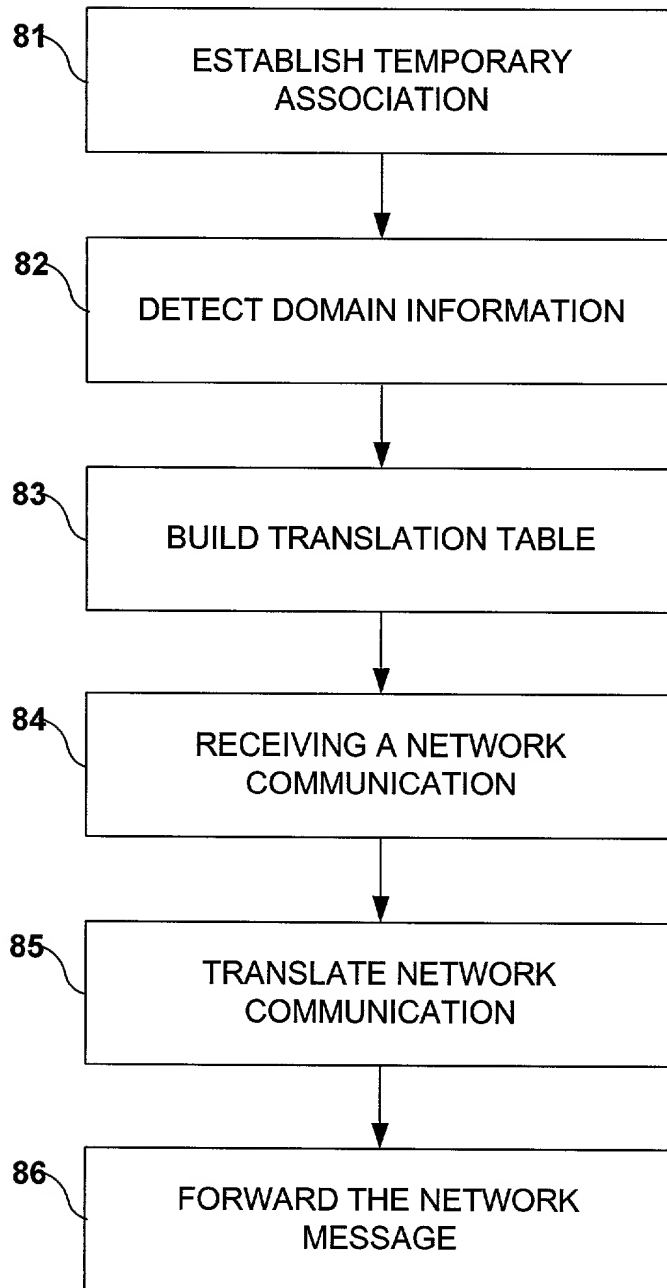


FIG. 7

STORAGE INTERCHANGE FORMAT

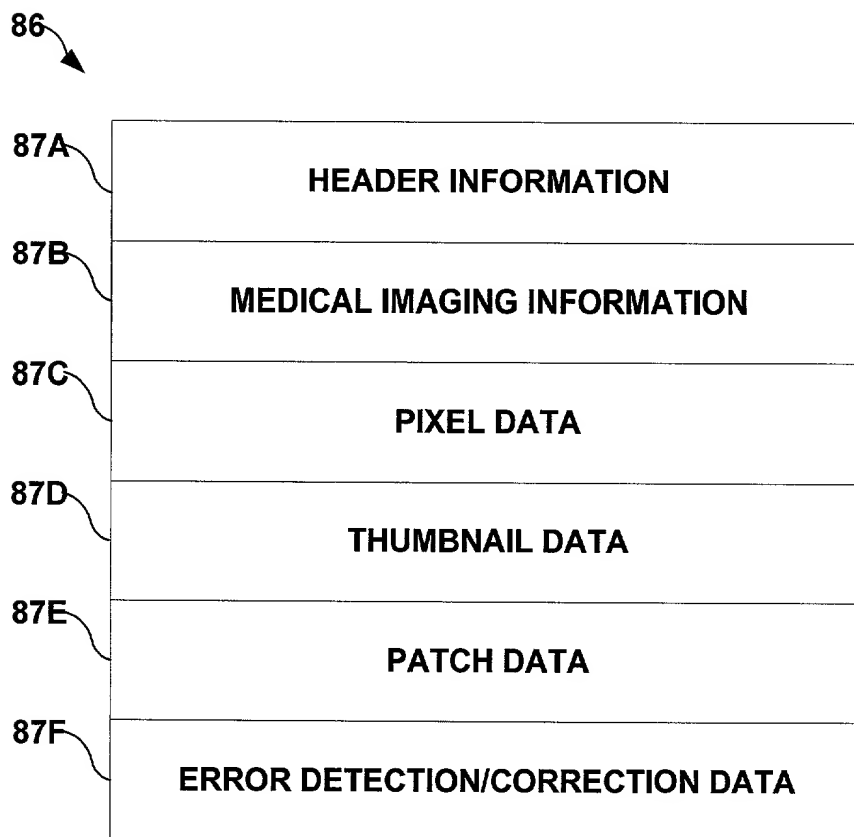


FIG. 8

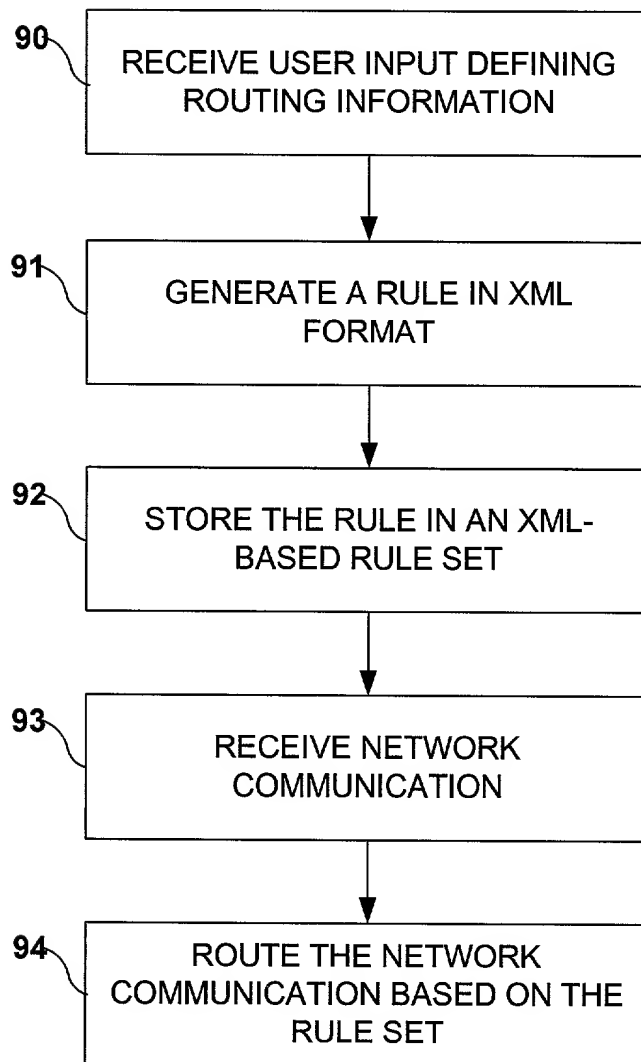


FIG. 9



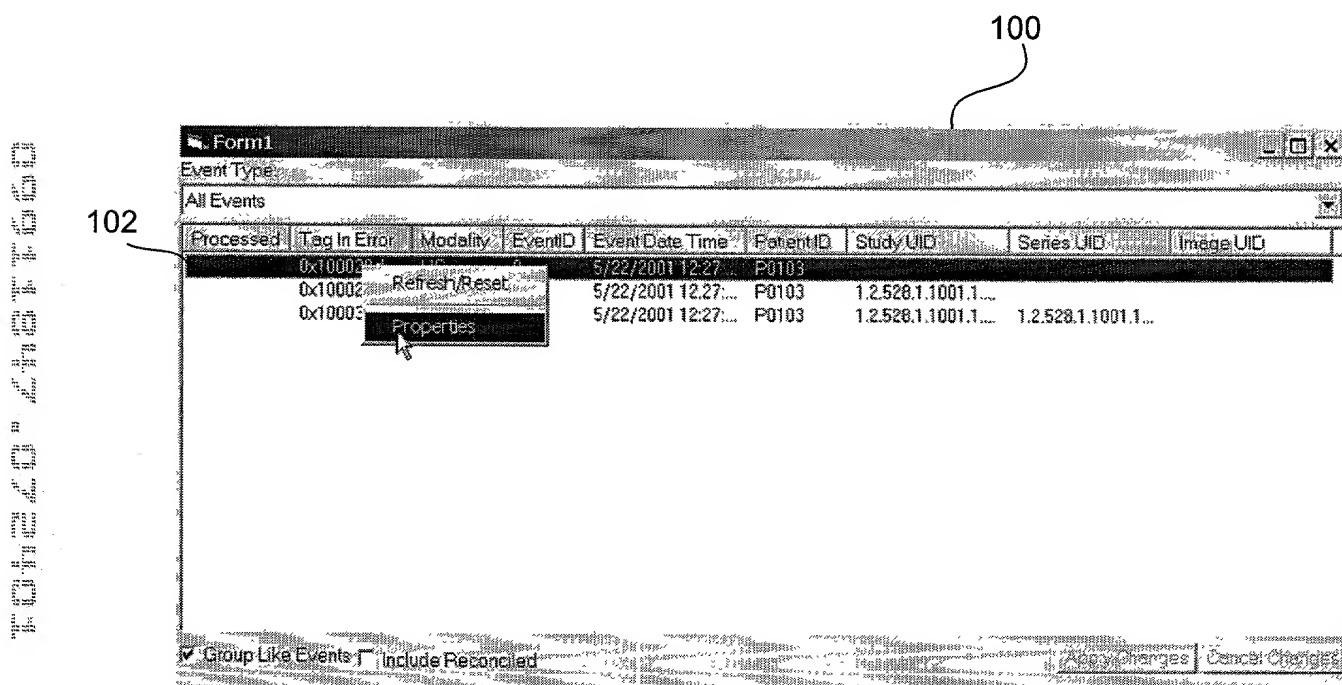


FIG. 11

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Event Viewer

Event: Asif

Patient

- Birthdate: 1930 9 9
- ID: P0104
- Name: Christiansson, B.
- Affected SOF Instance UID: 1.2.528.1.1001.1.19961112013.200.4.19961117.162655921

Study

- ID: S023
- Dicom UID: 1.2.528.1.1001.1.960113006.200.2.19960305.183737397
- Sex: M

Image

- Body Part: head
- Manufacturing Equipment
- Modality: US
- Private File:
- Pixel Rep: 0
- High Bit: 7
- Bits Stored: 8

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Edit Tag Value

Tag Value: 1930 99

OK Cancel

OK Apply Cancel

FIG. 13

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Patient Info

ID: P0104

General Patient Info

Other Patient Info

Other Patient IDs: P0103

Other Patient Names: John Doe

Medical Alerts: None

Contrast Allergies: Not available

Additional History:

Yes

Comments:

Test

OK Cancel

Prefix	Dr.
First Name	Jason
Middle Name	B
Last Name	CHRISTIANSSON
Suffix	MD
Birth Name	Smith
Birth Day	9/9/1930
Birth Time	
Mother's Birth Name	Johnson

FIG. 14

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The screenshot shows a window titled "Image Info" with a close button (X) in the top right corner. The window contains a table of DICOM metadata fields. The fields are arranged in two columns. The first column lists the field names, and the second column lists the corresponding values. The fields are: SOP Class UID, SOP Instance UID, Number, Overlay Number, Lut Number, Curve Number, Key Image, Patient Orientation, Time, Date, and Series UID. At the bottom right of the window, there are two buttons: "OK" and "Cancel".

Field	Value
SOP Class UID	1.2.840.10008.5.1.4.1.1.6
SOP Instance UID	1.2.528.1.1001.1.19961112013.200.4.1996
Number	1
Overlay Number	NA
Lut Number	NA
Curve Number	NA
Key Image	0
Patient Orientation	NA
Time	7:38:00 AM
Date	4/6/1993
Series UID	1.2.528.1.1001.1.951018001.200.3.199601

OK Cancel

FIG. 15

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Series Info

Modality	US	Device Serial Number	NA
Number		Software Version	NA
Description	NA	Study UID	1.2.528.1.1001.1.960113006.200.2.1
Operator Identification	NA	DICOM UID	1.2.528.1.1001.1.951018001.200.3.1
Performing Physician	NA	Institution Name	
Secondary Capture Device ID	NA	Study Status ID	
Scheduled Station Name	NA	Manufacturer	
Requested Contrast Bolus Agent	NA	Manufacturer Model Name	NA
Contrast Bolus Agent	NA		
Body Part	head		

OK Cancel

FIG. 16

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Study Info		Patient Info at Time of Study	
DICOM UID:	1.2.528.1.1001.1.960113006.200.2.19960305.183737	Patient ID:	P0104
ID:	S023	Sex:	M
Time:	7:38:00 AM	Age:	NA
Date:	4/6/1993	Weight:	NA
Referring Physician:	Dr. Hu	Size:	NA
Reading Physician:	NA	Occupation:	NA
Accession Number:		Telephone Number:	NA
Description:	Brain	Address:	NA
Result UID:	NA	Country of Residence:	NA
Reason:	NA		
Modality In Study:	NA		
Admit Diagnosis:	NA		
Interpretation Author:	NA		

OK Cancel

FIG. 17

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Form1

Event Type:

All Events

All Events

Image Database Mismatch

Invalid Tag Value Character Set (Image Level)

Invalid Tag Value Character Set (Patient Level)

Invalid Tag Value Character Set (Series Level)

Invalid Tag Value Character Set (Study Level)

Invalid Tag Value Length (Image Level)

Invalid Tag Value Length (Patient Level)

Invalid Tag Value Length (Series Level)

Invalid Tag Value Length (Study Level)

Patient Database Mismatch

Series Database Mismatch

Study Database Mismatch

☒ Group Like Events ☐ Include Reconciled

Apply Changes Cancel Changes

FIG. 18

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Search Engine

Patient

General Info

ID:

Prefix:

First Name:

Middle Name:

Last Name:

Suffix:

Name Info

☐ Christiansson^Jason

☐ S023 (Brain)

☐ US

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Add New Study

Edit Existing Patent

Delete Patent

Merge Patent

View Patent

Search Advanced OK Cancel

FIG. 19

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08002000	(0008,0020): Study Date. Decimal Tag: (0008,0032)
08000000	Tag Length: 8
3139393431323236	Tag Data: 19941226
08003000	(0008,0030): Study Time. Decimal Tag: (0008,0048)
0c000000	Tag Length: 12
3030303030302e3030303020	Tag Data: 000000.0000
08006000	(0008,0060): Modality. Decimal Tag: (0008,0096)
02000000	Tag Length: 2
4d52	Tag Data: MR
08007000	(0008,0070): Manufacturer. Decimal Tag: (0008,0112)
18000000	Tag Length: 24
5068696c697073204d65646963616c20	Tag Data: Philips Medical
53797374656d7320	Tag Data: Systems
08008000	(0008,0080): Institution Name. Decimal Tag:
(0008,0128)	
10000000	Tag Length: 16
444f4149204d454d4f5249414c204850	Tag Data: DOAI MEMORIAL HP
08003010	(0008,1030): Study Description. Decimal Tag:
(0008,4144)	
08000000	Tag Length: 8
432d5350494e4520	Tag Data: C-SPINE
10001000	(0010,0010): Patient's Name. Decimal Tag: (0016,0016)
12000000	Tag Length: 18
4d522f43205350494e452f5453452f32	Tag Data: MR/C SPINE/TSE/2
3536	Tag Data: 56
10003000	(0010,0030): Patient's Birth Date. Decimal Tag:
(0016,0048)	
08000000	Tag Length: 8
3139363430373331	Tag Data: 19640731
10004000	(0010,0040): Patient's Sex. Decimal Tag: (0016,0064)
02000000	Tag Length: 2
4d20	Tag Data: M

FIG. 20